

DEPARTMENT OF AERONAUTICAL ENGINEERING

(Newsletter-2024-25) Vol-02, Issue-01

“AAROHAN”



GAIKWAD-PATIL
GROUP OF INSTITUTIONS

VISION

- *To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.*

MISSION

- *To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.*
- *To provide facilities and services to meet the challenges of Industry and Society.*
- *To facilitate socially responsive research, innovation and entrepreneurship.*
- *To ascertain holistic development to the students and staff members by inculcating knowledge and profession as work practices.*

VISION AND MISSION OF THE DEPARTMENT

VISION

- *To foster technically skilled Aeronautical Engineers of the utmost academic principles, to convene the needs of academia, industry and society.*

MISSION

- *Impart quality technical education and unique interdisciplinary experiences.*
- *Develop the analytical, computational and design capabilities to provide sustainable solutions.*
- *Expose the students to the current trends and opportunities in the Aerospace industry.*
- *Inculcate professional responsibility based on innate, ethical value system.*

PROGRAM EDUCATIONAL OUTCOMES

- *Under graduate students will acquire knowledge to investigate and solve Aeronautical Engineering problems using basics of applied science and engineering.*
- *Undergraduate students will utilize the modern technology and techniques to explore new skills and ideas to satisfy the need of society as well as industry.*
- *Under graduate students will get finest employment opportunities in the field of Aeronautical Engineering.*
- *To develop the environment of societal and ethical values to concern with engineering issues.*
- *Under graduate students will contribute in the domain-specific and interdisciplinary research through the project based learning.*

PROGRAM OUTCOMES

- **Engineering knowledge:** *Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
- **Problem analysis:** *Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.*
- **Design/development of solutions:** *Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.*
- **Conduct investigations of complex problems:** *Use research based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.*
- **Modern tool usage:** *Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.*

- **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for, sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

About TGPCET

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self-financed Private Engineering College, which is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) Nagpur and is approved by All India Council for Technical Education, New Delhi. Also college is approved by Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The Institute is Accredited with A+ (3.32 CGPA) by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL (NAAC). An Autonomous Institute affiliated to RTM Nagpur University, Nagpur. Four departments (EE, ME, CE & ECE) of Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) are accredited by the National Board of Accreditation (NBA), reflecting the institution's commitment to quality education and academic excellence.

About Aeronautical Engineering Department

The Department of Aeronautical Engineering was established in 2020 with an intake of 60 students in the UG course. The department has also started a PG program in Aeronautical Engineering with an intake of 12 in the year 2023. Aeronautical engineering involves researching, designing, constructing, testing, and manufacturing of the aircraft within Earth's atmosphere. It also covers the investigation into aerodynamic elements of aircraft, including behaviors and related factors such as control surfaces, lift, airfoil, and drag. The Department aims to cultivate expertise in specialized fields within aeronautical engineering, including aircraft structural design, aerodynamics, propulsion systems, and guidance and control systems, with an emphasis on research and innovation.

The aeronautical engineering department features several specialized labs: Aero-Thermodynamics Lab, Fluid Mechanics and Machinery Lab, Aerodynamics Lab, Aircraft Structures Lab, Propulsion Lab and CAD/CAE Lab, offering students hands-on experience in advanced research and practical applications. The department has well qualified and experienced faculties from IITs, NITs and Government institutes having excellent academic as well as research contribution. The aeronautical engineering department offers a vibrant and enriching environment for students.

The student-run Aerocious forum hosts guest lectures and workshops, while the drone club organizes competitions and projects, providing opportunities for practical experience and fostering innovation in drone technology and applications. The department encourages students to engage in research and publish papers. They are also motivated to participate in international and national conferences, providing them with valuable opportunities to present their work, network with industry professionals, and stay informed about the latest advancements in the field.

MESSAGE



Dr. MOHAN GAIKWAD-PATIL
Chairman, Gaikwad-Patil
Group

With more than twenty years of experience in education system to his credit, established the Gaikwad-Patil Group of Institutions in Nagpur to cater to the quality education needs of the youth in Vidarbha. His early experience of teaching in an engineering college made him acutely aware of the dissonance between engineering education in the country and the requirements of the industry. He therefore began with a dream of starting an engineering college that equips students with knowledge, skills and attitudes relevant to the industry. That dream has manifested today in the form of two engineering colleges, well known in the region for their constants striving to impart quality and industry-relevant education to their students. Hardly in his early forties, Dr. Gaikwad is the young and dynamic face of the Group. His contagious enthusiasm and unflagging drive is truly inspiring.



Dr. P. L. NAKTODE
Principal

It gives me immense pleasure and pride in welcoming you to Tulsiramji Gaikwad-Patil College of Engineering & Technology, one of the rapidly growing institutions in Vidarbha, dedicated to fostering technical education in the region. The vision of our institutions to empower youths and to produce technically skilled manpower with very high moral values that are not only employable but are also capable of creating employment for masses. Our mission is to provide outcome-based education by providing all necessary inputs, facilities and environment to empower our students in all possible ways. We understand that co-curricular and extra-curricular activities help in enhancing ones personality. This institution provides an environment for nurturing these activities so that young men and women get an opportunity to upgrade their skills and show cases their talent. To strengthen the wings of our students we have dynamic and dedicated workforce. Tulsiramji Gaikwad-Patil College of Engineering & Technology is committed to employing, developing and retaining the best teachers.



Dr. Pragati Patil Bedekar
Vice Principal

Albert Einstein said, "Education is not about learning of facts but training young minds to think." There is a big difference between cramming up facts and learning them so that they can be applied in productive ways. At TGPCET, we try to work towards holistic development of our students by providing them the tools and experiences that encourage our students to think. The aim is to create empowered minds so that students are able to decide what is good for them, differentiate between right and wrong, choose opportunities that help build them up and enable them to live in harmony with all existence. As the Vice Principal, I am delighted that the institute's values align with my own personal values, including the importance of trust, respect, innovation and a sense of community.

HoD Desk

It is with great pleasure and enthusiasm that I extend a warm welcome to each of you as we embark on yet another exciting edition of "Aeronautica Insight," the official magazine of the Aeronautical Engineering Department at TGPCET, Nagpur.

As the Head of the Aeronautical Engineering Department, I take immense pride in presenting this platform that encapsulates the spirit, achievements, and aspirations of our vibrant department. "AeronauticaInsight" serves as a window into the world of aeronautical innovation, academic prowess, and collaborative endeavors that define our department's identity.

Aeronautical Engineering is a field that thrives on the pursuit of knowledge and the relentless quest for pushing the boundaries of what is possible. In this edition, we showcase the academic excellence achieved by our students and faculty, both in the classrooms and through groundbreaking research initiatives. From theoretical concepts to real-world applications, we aim to provide our readers with a comprehensive view of the dynamic field of Aeronautical Engineering.

Our faculty members, who are not only educators but also mentors and guides, play a pivotal role in shaping the academic journey of our students. Through their dedication and expertise, they inspire a love for learning and foster an environment where curiosity and critical thinking are celebrated.

"Aeronautica Insight" also highlights the numerous extracurricular activities, workshops, and events that contribute to the holistic development of our students. We believe in nurturing well-rounded individuals, and this magazinereflectsthemyrriadtalentsandachievementsofourstudentsbeyondtheacademicrealm.

Collaboration lies at the heart of innovation, and we are proud to showcase the partnerships and collaborations that our department has forged with industry leaders, research institutions, and alumni. These collaborations not only provide valuable opportunities for our students but also contribute to the advancements in aerospace technology.

I extend my gratitude to the editorial team for their tireless efforts in curating this magazine, and to all contributors for sharing their insights and experiences. "Aeronautica Insight" is not just a publication; it is a testament to the collective spirit and achievements of the Aeronautical Engineering Department at TGPCET.

I encourage all readers to delve into the pages of this magazine, explore the stories within, and gain a deeper understanding of the exciting world of Aeronautical Engineering. May this edition inspire you, inform you, and spark your curiosity. Wishing you an enlightening and enjoyable reading experience!



Prof. Vishwjeet Ambade, B.E., M-Tech, PhD*.
Assistant Professor and Head of Department

EditorDesk

Welcome to the latest edition of "Aeronautica Insight," the heartbeat of the Aeronautical Engineering Department at TGPCET. As editors, it is our privilege to present a tapestry of narratives that reflect the dynamic and ever-evolving nature of aerospace technology and the collective spirit of our academic community.

In the realm of Aeronautical Engineering, where innovation meets precision, every project is a journey, every challenge is an opportunity, and every discovery is a triumph. As you flip through the pages of this magazine, we invite you to embark on a journey with us—an exploration of the frontiers of aerospace science and engineering.

Our contributors, a diverse and talented group of individuals, have poured their passion into these pages. From insightful research articles to captivating stories of personal experiences, each piece offers a unique perspective on the multifaceted world of Aeronautical Engineering. We extend our sincere gratitude to these individuals for sharing their expertise, shedding light on complex concepts, and bringing the magic of aviation to life.

At the heart of our department is a community of dedicated faculty, staff, and students who work tirelessly to push the boundaries of knowledge. "Aeronautica Insight" is a celebration of their achievements, a showcase of their collaborative efforts, and a testament to the pursuit of excellence that defines our academic environment. We believe in nurturing not only skilled engineers but also creative thinkers, problem solvers, and leaders who will shape the future of aerospace technology.

This magazine is more than just a compilation of articles; it is a reflection of our commitment to fostering a holistic learning experience. Beyond the classroom, we highlight the extracurricular activities, workshops, and events that contribute to the all-encompassing development of our students. It is in these diverse experiences that future leaders in Aeronautical Engineering are forged.

As editors, we would like to express our gratitude to the entire editorial team for their dedication and hardwork. Designers, writers, photographers—each played a crucial role in bringing this publication to life. Their creative efforts have given "Aeronautica Insight" a visual and narrative richness that we hope you will find engaging and inspiring.

To our readers, we extend an invitation to immerse yourselves in the stories within these pages, to explore the challenges and triumphs, and to share in the excitement of Aeronautical Engineering. Thank you for being a part of our journey, and we hope you find this edition of "Aeronautica Insight" both informative and enjoyable. Happy reading!



Prof. Jonna Naresh
BE., M-Tech PhD*

Editorial Committee



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DEPARTMENT**

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GUEST LECTURE

AeSI Student Chapter Installation & Expert Lecture on "Career Opportunities in the Indian Air Force"

Date	14th February 2025
Venue	Department of Aeronautical Engineering, TGPCET, Nagpur
Organized By	Department of Aeronautical Engineering in collaboration with AeSI Nagpur Chapter
Guest Name & Designation	Air Vice Marshal VRS Raju, VSM, Deputy Senior Maintenance Staff Officer, HQ Maintenance Command, IAF, Nagpur
Purpose of Event	Installation of AeSI Student Chapter and guidance on career opportunities in the Indian Air Force
Student Participation	70+ Students actively participated



INDUSTRIAL VISIT

Industrial Visit to “Regional remote sensing center,” at ISRO-RRSC, Nagpur

Title:	Industrial Visit to ISRO – Regional Remote Sensing Centre (RRSC), Nagpur
Aim:	To provide students with real-time exposure to remote sensing applications, satellite technologies, and India's achievements in space exploration through an industrial visit to ISRO-RRSC, Nagpur.
Summary Paragraph:	On 27th March 2025 , the Department of Aeronautical Engineering, TGPCET, organized an enriching industrial visit to the Regional Remote Sensing Centre (RRSC), ISRO, Nagpur , exclusively for 2nd, 3rd, and final-year B.Tech Aeronautical Engineering students. The visit was inaugurated by Dr. Sadana Jain , Senior Scientist, who briefed students about ISRO's mission structure and the significance of remote sensing in national development. The highlight of the session was an interactive overview of India's Chandrayaan-1, 2, and 3 missions. Students also explored an exhibition led by Mr. Shrivastav , where live satellite models, fuel systems, and data reception modules were showcased. The visit served as a strong academic-industry bridge, connecting theoretical space concepts with real-world ISRO applications.
Outcome	- Students gained hands-on insight into the workings of satellite missions and remote sensing technology. - The session fulfilled Program Outcomes (POs) like modern tool usage, engineering application, and societal relevance of aerospace missions. - Encouraged students toward careers in ISRO, DRDO, and satellite research sectors.



Industrial Visit to AAR Indamer Technics Pvt. Ltd., Nagpur

Title:	Industrial Visit to AAR Indamer Technics Pvt. Ltd., Nagpur
Aim:	To provide students with practical exposure to the aircraft maintenance, repair, and overhaul (MRO) environment and familiarize them with industry practices and regulatory standards.
Summary Paragraph:	The Department of Aeronautical Engineering at TGPCET organized an industrial visit to AAR Indamer Technics Pvt. Ltd., Nagpur, on 25th February 2025 for second and third-year students. The visit offered valuable insights into aircraft maintenance, repair, and overhaul (MRO) operations. Students observed real-time servicing procedures, including structural inspections, avionics checks, and NDT applications. The hands-on exposure enhanced their understanding of aviation safety, regulatory compliance, and modern maintenance technologies.
Outcome	- Students developed practical insights into real-time MRO operations, enhancing their industry readiness. - The visit fulfilled Program Outcomes (POs) like modern tool usage, industrial exposure, and aviation safety awareness. - Motivated students to explore careers in aircraft maintenance, NDT, quality assurance, and aviation safety compliance.



Industrial Visit to Aerovania Pvt. Ltd. Incubation Center, PCE Nagpur

Title:	Industrial Visit to Aerovania Pvt. Ltd., Nagpur
Aim:	To provide students with practical exposure to UAV technologies and advanced composite material applications in drone manufacturing.
Summary Paragraph:	On 18th January 2025 , the Department of Aeronautical Engineering at TGPCET organized an insightful industrial visit to Aerovania Pvt. Ltd. , located at the PCE Incubation Center, Nagpur, for 4th and 6th semester students. Aerovania is an innovative startup working on unmanned aerial vehicles (UAVs) using eco-friendly, fire-resistant fibers and advanced composite materials . The visit familiarized students with cutting-edge manufacturing techniques such as pre-preg technology and vacuum bagging used in UAV fabrication. Students explored how modern material science is applied to enhance the performance, safety, and sustainability of drones, bridging classroom learning with real-world UAV design and production.
Outcome:	- Students gained hands-on understanding of smart material integration in UAV development. - Exposure to sustainable and advanced composite manufacturing processes. - Strengthened knowledge of UAV applications in defense, surveillance, and environmental monitoring.



Two Days hands on Workshop on “Composite and Nano Fibre Materials used for the Aircraft Manufacturing”

Title:	Two-Day Hands-on Workshop on Composite & Nanofiber Materials for Aerospace Applications
Aim:	To introduce students to composite and nanofiber materials and provide hands-on training in their fabrication, thereby bridging the gap between academic knowledge and practical aerospace industry practices.
Summary Paragraph:	On 17th–18th January 2025 , the Department of Aeronautical Engineering at TGPCET, in collaboration with Aerovania Pvt. Ltd. , organized an immersive two-day hands-on workshop focused on composite and nanofiber materials used in aerospace structures. The workshop featured expert guidance from Mr. Smitesh Chinchore , Co-Founder and CTO of Aerovania Pvt. Ltd., and was inaugurated by Mr. Tapassu Meshram , President of the Aerocious Forum. The event was smoothly coordinated by a dedicated team of faculty and student leaders. Students were exposed to advanced manufacturing processes including pre-preg technology, vacuum bagging , and the use of fire-resistant synthetic and natural fibers . The workshop created a strong foundation for students to apply materials science concepts in real-world aerospace engineering contexts.
Outcomes:	• Gained hands-on experience in handling and fabricating composite and nanofiber materials. • Understood the application of pre-preg and vacuum bagging techniques. • Acquired practical skills relevant to aerospace materials design, safety, and performance analysis.



STUDENTACTIVITIES

Farewell to the Final-Year Batch: A Heartfelt Send-Off

The Aeronautical Engineering Department bid a warm farewell to its final-year students in a memorable celebration filled with emotion, gratitude, and reflection. The farewell party was organized to honor the achievements and journey of the outgoing batch, who have been an integral part of the department's growth and vibrancy.

Faculty members shared their words of encouragement and pride, while juniors expressed their heartfelt wishes through cultural performances and speeches. The event highlighted the students' academic accomplishments, project contributions, and involvement in co-curricular activities over the years.

As they prepare to step into a new phase of their professional lives, we extend our best wishes to the graduating class. May they soar high with confidence, uphold the values of our institution, and continue to inspire others with their dedication and passion.



Aeronautical Engineering students hosting farewell program for final year students

FACULTY'S ACHIEVEMENTS

Faculty Achievements in NPTEL Online Certification



Prof. Jonna Naresh

Faculty Name	NPTEL Course Title	Offering Institute	Certification Type	Score
Mr. Jonna Naresh	Data Analytics with Python	IIT Roorkee	Elite	66%
Mr. Jonna Naresh	The Joy of Computing Using Python	IIT Madras	Elite	72%

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JONNA NARESH
for successfully completing the course
Data Analytics with Python
with a consolidated score of **66** %

Online Assignments	24.38/25	Proctored Exam	41.33/75
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Total number of candidates certified in this course: 10022

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator, CEC

Jan-Apr 2025
(12 week course)

Prof. Ranjana Pathania,
Professor (BSEI)
Coordinator (NPTEL)

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL25CS17S1252802050 To verify the certificate

No. of credits recommended: 3 or 4

Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
JONNA NARESH
for successfully completing the course
The Joy of Computing using Python
with a consolidated score of **72** %

Online Assignments	25/25	Proctored Exam	47.25/75
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Total number of candidates certified in this course: 11746

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Apr 2025
(12 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras

Indian Institute of Technology Madras

swayam

Roll No: NPTEL25CS69S1052801908 To verify the certificate

No. of credits recommended: 3 or 4

FACULTY'S ACHIEVEMENTS



Prof. Himani Harpal

Faculty Name	NPTEL Course Title	Offering Institute	Certification Type	Score
Ms. Himani Harpal	Introduction to Ancient Indian Technology	IIT Kanpur	Elite	60%



Elite

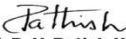
NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)

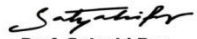
This certificate is awarded to
HIMANI HARPAL
 for successfully completing the course
Introduction to Ancient Indian Technology
 with a consolidated score of **60** %

Online Assignments	19.19/25	Proctored Exam	40.5/75
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Total number of candidates certified in this course: **147**


Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Apr 2025
(12 week course)


Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur


Indian Institute of Technology Kanpur


FREE ONLINE EDUCATION

Roll No: NPTEL25AE08S652802460

To verify the certificate 

No. of credits recommended: 3 or 4

STUDENT'S ACHIEVEMENTS

Outstanding Performances at AEROVISTA 2K25

Name of Student(s)	Prashant Shivankar Sanket Jadhav
Event Name	CAD-A-THON
Position Secured	1st Prize
Date	19th April 2025
Remarks	Secured top position with excellent design, innovation, and technical accuracy. Their performance reflects strong command in CAD and problem-solving skills.



STUDENT'SACHIEVEMENTS

Name of Student(s)	Event Name	Position Secured	Date
Prashant Shivankar Sanket Jadhav	CAD-A-THON	1st Prize	19th April 2025
Prajwa lShring ChandreshSahu Shrinivas Keshabonia Rushikesh Dahiphale	Project Competition	3rd Prize	19th April 2025
Chandresh Sahu PrajwalSonkusare	PPT Presentation	3rd Prize	19th April 2025
Nirmeet Wankhede Prasad Khandekar Rohan Bathav	Drone Flying Competition	3rd Prize	19th April 2025



Literary Recognition at National Level

Name of Student	Department	Event	Venue	Contribution
Nitesh Kharole	Aeronautical Engineering	18th Akhil Bharatiya Sahitya Sammelan	New Delhi	Presented a literary work on “Patriotism and the Role of Youth”

९८ व्या अखिल भारतीय साहित्य संमेलनात गोंदियाच्या नितेश खरोले यांचे सादरीकरण

दै.वातमी जगत | वृत्तसेवा

सज्जन शेलके

सिंदखेडराजा : गोंदिया जिल्ह्यातील नितेश शिवराम खरोले यांनी भारताची राजधानी दिल्ली येथे कवी म्हणून मान मिळवला आहे. नितेश खरोले हे अगदी कमी वयात दिल्ली गाठली, त्याचे शिक्षण क्षेत्र एरोनॉटिकल इंजिनियरिंग करत सुद्धा मराठी साहित्य जपत आहेत. ९८ वे अखिल भारतीय मराठी साहित्य संमेलन दिल्ली येथे (तालकटोरा स्टेडियम) दि. २१ ते २३ फेब्रुवारी २०२५ ला संपन्न झाले. या कार्यक्रमाचे आयोजन सरहद, पुणे आयोजित, अ. भा. मराठी साहित्य महामंडळानी केले. या संपूर्ण संमेलनाचे उद्घाटन मा. पंतप्रधान नरेंद्र मोदी तर व्यासपीठावर स्वागताध्यक्ष मा. पद्मविभूषण शरद पवार, अध्यक्ष मा. डॉ. शरद गोरे त्याच बरोबर समन्वय - कविकट्टा मा. गोपाळ कांबळे मान्यवरांनी उपस्थिती ठेवली. त्यात नितेश शिवराम खरोले हे खुले कविसंमेलनात कवी म्हणून सहभागी होते. त्यांना कवी म्हणून सन्मानित करण्यात आले आहे.



FORUMRE INSTALLATION

Successful Reinstallation of "Aerocious" Forum at TGPCET, Nagpur

The Department of Aeronautical Engineering at TGPCET, Nagpur successfully re-established its **Student Forum** on 25th September 2024, under the banner of the prestigious *Aerospace Forum 2K24*. The event marked a renewed focus on student development, innovation, and industry interaction within the field of aeronautics.

The ceremony was graced by the presence of esteemed dignitaries, including representatives from prominent aerospace industries, academic leaders, and forum coordinators. The newly selected **Toppers of the Department** for the academic year 2023–24 were felicitated for their outstanding academic achievements and were awarded certificates of excellence.

As part of the Aerospace Forum activities, students showcased their creativity and technical understanding by presenting over **20 innovative posters** under themes such as *Aircraft Design*, *Future of Flight Technologies*, *Aerospace Industry Trends*, and *Career Opportunities in Aviation*. The posters were evaluated by the expert panel, who commended the students for their technical depth and presentation quality.

The reformation of the forum also introduced a fresh team of enthusiastic student leaders who will now take forward various academic, technical, and co-curricular initiatives for the benefit of their peers. Forum faculty in-charge **Mr. Tushar Meshram** coordinated the event and encouraged students to actively participate in upcoming aerospace activities and competitions.

With this forum revival, the Department of Aeronautical Engineering continues its mission to empower students, foster innovation, and bridge the gap between academics and industry.

नागपूर येथील टीजीपीसीईटी येथील एरोनॉटिकल इंजिनिअरिंग येथे विद्यार्थी मंच पुनर्स्थापना

दैनिक देशप्रदेश केसरी

नागपूर: एरोनॉटिकल इंजिनिअरिंग विभागाने (TGPCET, नागपूर) १८ सप्टेंबर २०२४ रोजी एरोशियस फोरमची पुनर्स्थापना यशस्वीरित्या केली. यावेळी प्रमुख पाहुणे श्री. उज्ज्वल बांबेल, एन्क्विअर मॅनेजमेंट आणि एसएमएस मॅनेजर, एअर इंडामर टेक्निक्स प्रायव्हेट लिमिटेड, नागपूर यांच्या उपस्थितीत हे काम करण्यात आले. उद्घाटन भाष्य फोरमचे प्रभारी डॉ. कल्पित कौरासे यांनी केले. निवडून आलेल्या फोरम बॉडी सदस्यांना फोरम बॅज वाटून एरोशियस फोरम पुन्हा स्थापित करण्यात आला.



उन्हाळी सत्राच्या २०२४ च्या परीक्षेत उत्तीर्ण झालेल्या टॉपरना त्यांच्या उत्कृष्ट शैक्षणिक निकालांसाठी पदके आणि प्रमाणपत्रे देऊन गौरवण्यात आले.

भारतातील विमान वाहतूक आणि अवकाशाचे भविष्य यावर तांत्रिक पोस्टर स्पर्धा आयोजित करण्यात आली होती, विद्यार्थ्यांनी २० हून अधिक पोस्टर्स सादर केले. पोस्टर स्पर्धेतील

विजेत्यांना प्रमाणपत्रे देऊन गौरवण्यात आले. प्रमुख पाहुण्यांनी विमानाची रचना आणि त्याची दुरुस्ती डिझाइन यावर तज्ज्ञांचे व्याख्यान दिले आणि विमान उद्योगातील सध्याच्या आणि भविष्यातील ट्रेंड आणि नोकरीच्या संधीबद्दल स्पष्टीकरण दिले. त्यांनी विमान इंजिन डिझाइन, देखभाल आणि दुरुस्तीवरही भर दिला.

संपूर्ण कार्यक्रम एरोशियस फोरमच्या विद्यार्थी सदस्यांनी आणि स्वयंसेवकांनी उत्तम प्रकारे आयोजित केला होता. कार्यक्रमाचे सूत्रसंचालन जान्हवी शेवरे आणि श्रेया येरपुडे यांनी केले तर आभार प्रदर्शन एरोशियस फोरमचे अध्यक्ष श्री. तपसू मेश्राम यांनी केले.

Re-establishment of the Aeronautical Engineering Student Forum at TGPCET, Nagpur

शिकवणीतूनू उंच भरारी

वायल्या झूल्यात माकेलं मन,
 स्वत्रांच्या वाटेवर चाललो आपन।
 कधी पुस्कांत हरवलां जीवन,
 कधी मैत्रीच्या रंगांत रंगालो आपन।
 वर्ग खोलयल्या शांतततेत धडे धेतले,
 प्रत्येक परिक्षेत स्वप्न मी रेखाटले।
 सुरांच्या शब्दांत उमजगली विशा,
 चुकांममून शोधदी यशपची भाषा.
 कधीकधी कंटाळा, कधीकधी हसू,
 परिच्या गोष्टीसारखं शिक्षणाचाससू.
 लैबमधली धाई, प्रोजेक्टसि रुमजा,
 तासाच्या पलीकेड नाते शिक्षिज
 मनात थोडे भितीचं सावट, पण स्वप्नांच तेज
 शिकवण दितीस तू, उंचभरारीची,
 म्हणून आज मी वाट बघतो नवी उगवतीची
 शिकजन आज रे वाट भगतो नवी उगवती

पंखांना दिशा देणारी वाट

शिकवणीच्या सावलीत उभं होतं
स्वप्नांचं झड,
प्रत्येक प्रश्नात दडलं होतं उत्तरांचं
गुरुदगणां
वर्ग खोलीतली ती शांतता,
बोलायची खूप काही,
फठायार लिहीलेल्या ओलींत,
लिहिली गेली आमची कहानी
कधी चुकलो, कधी शिकलो,
कुधी स्वतःला शोधलं
गुरुंच्या शब्दानी आमचं भविष्य
वेधला
मैत्रीची गोडी, अभ्यासाचा ताण
या दोहीत सापडलं आयुष्यचं सुंदर ज्ञान

-Nitesh kharole (3rd year)

Department in Media2024-25

नागपूर येथील टीजीपीसीईटी येथील एरोनॉटिकल इंजिनिअरिंग येथे विद्यार्थी मंच पुनर्स्थापना

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भारतातील विमान वाहतूक आणि अवकाशाचे भविष्य यावर तांत्रिक पोस्टर स्पर्धा आयोजित करण्यात आली होती. विद्यार्थ्यांनी २० हून अधिक पोस्टरसं सादर केले. पोस्टर स्पर्धेतील

विजेत्यांना प्रमाणपत्रे देऊन गौरविण्यात आले. प्रमुख पाहुण्यांनी विमानाची रचना आणि त्याची दुरुस्ती डिझाइन यावर तज्ज्ञांचे व्याख्यान दिले आणि विमान उद्योगातील सध्याच्या आणि भविष्यातील ट्रेंड आणि नोकरीच्या संघर्षाबद्दल स्पष्टीकरण दिले. त्यांनी विमान इंजिन डिझाइन, देखभाल आणि दुरुस्तीबद्दलही भर दिला. संपूर्ण कार्यक्रम एरोशियस फोरमच्या विद्यार्थी सदस्यांनी आणि स्वयंसेवकांनी उत्तम प्रकारे आयोजित केला होता. कार्यक्रमाचे सूत्रसंचालन जान्हवी शेखरे आणि श्रेया येरपुडे यांनी केले तर आभार प्रदर्शन एरोशियस फोरमचे अध्यक्ष श्री. तपसू मेश्राम यांनी केले.



९८ व्या अखिल भारतीय साहित्य संमेलनात गोंदियाच्या नितेश खरोले यांचे सादरीकरण

दै.वातमी जगत | वृत्तसेवा

सज्जन शेंळके

सिंदखेडराजा : गोंदिया जिल्ह्यातील नितेश शिवराम खरोले यांनी भारताची राजधानी दिल्ली येथे कवी म्हणून मान मिळवला आहे. नितेश खरोले हे अगदी कमी वयात दिल्ली गाठली, त्याचे शिक्षण क्षेत्र एरोनॉटिकल इंजिनियरिंग करत सुद्धा मराठी साहित्य जपत आहेत. ९८ वे अखिल भारतीय मराठी साहित्य संमेलन दिल्ली येथे (तालकटोरा स्टेडियम) दि. २१ ते २३ फेब्रुवारी २०२५ ला संपन्न झाले. या कार्यक्रमाचे आयोजन सरहद, पुणे आयोजित, अ. मा. मराठी साहित्य महामंडळानी केले. या संपूर्ण संमेलनाचे उद्घाटन मा. पंतप्रधान नरेंद्र मोदी तर व्यासपीठावर स्वागताध्यक्ष मा. पद्मविभूषण शरद पवार, अध्यक्ष मा. डॉ. शरद गोरे त्याच बरोबर समन्वय - कविकट्टा मा. गोपाळ कांबळे मान्यवरांनी उपस्थिती ठेवली, त्यात नितेश शिवराम खरोले हे खुले कविसंमेलनात कवी म्हणून सहभागी होते. त्यांना कवी म्हणून सन्मानित करण्यात आले आहे.



The Final Page... But Not the End

“Pages may end, but memories take flight.”

As we come to the final page of this edition, we pause not to say goodbye, but to celebrate the journey we've shared — a journey of learning, innovation, teamwork, and sky-high dreams.

This newsletter is more than just an update; it's a tribute to the passion, progress, and people that make the Aeronautical Engineering Department truly special.

May our thoughts continue to soar beyond these pages, and may every student and reader carry forward the spirit of exploration and excellence.

**Until we meet again in the next issue — keep dreaming, keep flying.
Blue skies and bright futures await**